

Converting Colors

$Yxy(77.7594, 0.3329, 0.3611)$

Have a look what the booklet for
Yxy(77.7594, 0.3329, 0.3611)
contains.

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Color

Yxy(77.7527, 0.3329, 0.3611)

Conversions

Conversions Part 1

Format	Color
Hex	E7E6C8
RGB	231, 230, 200
RGB Percent	91%, 90%, 78%
CMY	0.0941, 0.0980, 0.2156
CMYK	0.00, 0.00, 0.13, 0.09
HSL	58°, 39%, 85%
HSV	58°, 13%, 91%
XYZ	71.6806, 77.7527, 65.8885
YIQ	226.8790, 10.2260, -9.1180

Conversions

Conversions Part 2

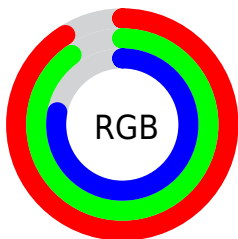
Format	Color
R _Y B	201, 231, 200
Decimal	15197896
CIE Lab	90.67, -4.65, 14.74
CIE LCh	91, 15.459, 107.516
Yxy	77.7527, 0.3329, 0.3611
Android (android.graphics.Color)	4293387976 (0xFFE7E6C8)
YUV	226.8790, -13.2513, 3.6141
Hunter-Lab	88.1775, -9.2056, 17.4212

Details

The Yxy color **77.7527, 0.3329, 0.3611** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.8401, 0.2913, 0.2947**, and the grayscale version is **76.8197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.8492, 0.3371, 0.3693** is the 20% darker color. If you saturate the color by 10%, you get **76.3405, 0.3484, 0.3856**, and if you desaturate by 10%, it is **79.3367, 0.3177, 0.3370**.

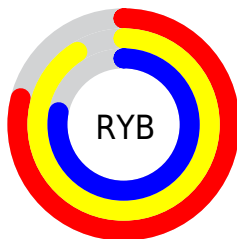
Distribution



Red (91%)

Green (90%)

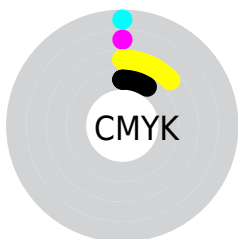
Blue (78%)



Red (79%)

Yellow (91%)

Blue (78%)

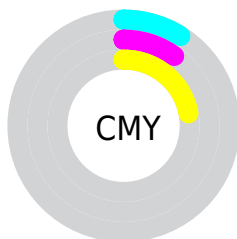


Cyan (0%)

Magenta (0%)

Yellow (13%)

Black (9%)



Cyan (9%)

Magenta (10%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.7527, 0.3329, 0.3611 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 77.7527, 0.3329, 0.3611 by changing the saturation by 10% instead.

■ 77.7527, 0.3329,
0.3611

■ 77.7527, 0.3329,
0.3611

487.3266, 0.3237,
0.3463

■ 57.8709, 0.3349,
0.3645

130.2014, 0.3298,
0.3560

■ 41.7048, 0.3374,
0.3686

163.5371, 0.3285,
0.3540

■ 28.8702, 0.3406,
0.3739

202.1262, 0.3275,
0.3522

■ 18.9827, 0.3446,
0.3808

246.3531, 0.3265,
0.3507

■ 11.6578, 0.3499,
0.3901

296.6022, 0.3257,
0.3494

■ 6.5111, 0.3574,
0.4033

353.2579, 0.3250,

■ 3.1583, 0.3682,

0.3483

0.4237

416.7045, 0.3243,
0.3472

■ 1.2149, 0.4097,
0.4879

■ 0.0738, 0.0000,
1.0000

■ 77.7527, 0.3329,
0.3611

■ 77.7527, 0.3329,
0.3611

■ 76.3405, 0.3484,
0.3856

■ 79.3367, 0.3177,
0.3370

■ 75.0826, 0.3638,
0.4098

■ 81.0892, 0.3033,
0.3139


■ 73.9745, 0.3786,
0.4328

■ 82.0624, 0.2980,
0.3059

■ 73.0077, 0.3921,
0.4535


■ 82.4852, 0.2980,
0.3067


 72.1728, 0.4037,
0.4711

 82.9098, 0.2980,
0.3075

 71.4592, 0.4130,
0.4848


 83.3362, 0.2980,
0.3082

 70.8548, 0.4196,
0.4941

 83.7643, 0.2980,
0.3090

 70.3447, 0.4236,
0.4991

 84.1943, 0.2980,
0.3098

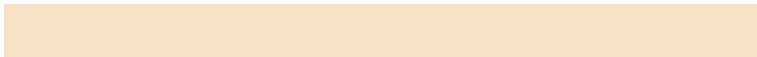
 70.0449, 0.4251,
0.5006

 84.6261, 0.2980,
0.3106

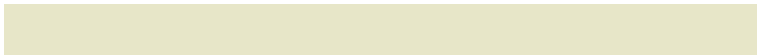
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.7527, 0.3452, 0.3554



77.7527, 0.3329, 0.3611



77.7527, 0.3154, 0.3578

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.7527, 0.3329, 0.3611



77.7527, 0.2780, 0.3134



77.7527, 0.3276, 0.3128

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



77.7527, 0.3329, 0.3611



59.8401, 0.2913, 0.2947

Split Complementary

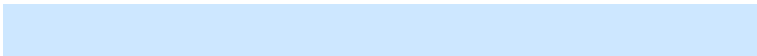
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.7527, 0.3092, 0.3023



77.7527, 0.3329, 0.3611



77.7527, 0.2810, 0.3022

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.7527, 0.3329, 0.3611



77.7527, 0.2840, 0.3294



77.7527, 0.2923, 0.2983



77.7527, 0.3422, 0.3275

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.7527, 0.3329, 0.3611



77.7527, 0.3032, 0.3507



77.7527, 0.2923, 0.2983



77.7527, 0.3216, 0.3087

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



77.7561, 0.3329, 0.3611



99.1497, 0.3187, 0.3385



62.5305, 0.3365, 0.3279



21.1887, 0.3198, 0.3403



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.7561, 0.3329, 0.3611



96.8049, 0.3370, 0.3676



76.0091, 0.3225, 0.3632



16.7329, 0.3268, 0.3515



39.3032, 0.4251, 0.5007



2.9296, 0.4241, 0.5014

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



59.8401, 0.2913, 0.2947



70.4132, 0.2866, 0.2872



61.4596, 0.3019, 0.2947



13.9616, 0.2980, 0.3055



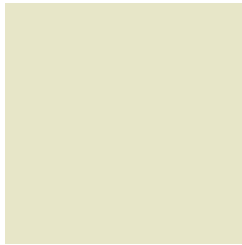
3.3600, 0.1506, 0.0621



0.2749, 0.1522, 0.0680

Previews

White Background



This preview shows how the Yxy color 77.7527, 0.3329, 0.3611 looks on a white background.

Color Contrast Check

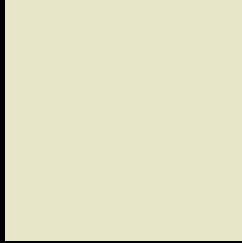
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 77.7527, 0.3329, 0.3611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

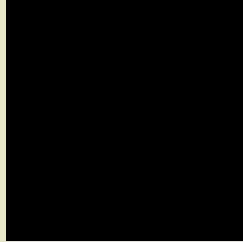
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

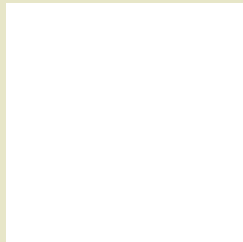
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.7527, 0.3329, 0.3611

Background



This preview shows how black text looks on a background with the Yxy color 77.7527, 0.3329, 0.3611.



This preview shows how white text looks on a background with the Yxy color 77.7527, 0.3329, 0.3611.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

77.7527, 0.3329, 0.3611

Protanopia

77.9610, 0.3397, 0.3596

Deuteranopia

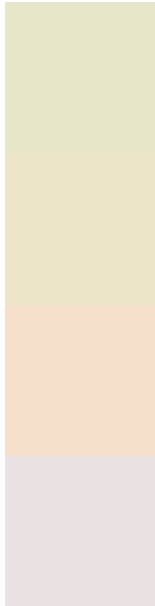
77.4291, 0.3479, 0.3443



Tritanopia

77.7266, 0.3101, 0.3106

Trichromacy



Original Color

77.7527, 0.3329, 0.3611

Protanomaly

77.9950, 0.3373, 0.3608

Deuteranomaly

77.2638, 0.3421, 0.3498

Tritanomaly

77.6009, 0.3183, 0.3280

Monochromacy



Original Color

77.7527, 0.3329, 0.3611

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

76.9905, 0.3198, 0.3407

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7527, 0.3329, 0.3611 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(231, 230, 200)` looks like.

```
.text, #text, p{  
    color:rgb(231, 230, 200)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(231, 230, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 230, 200) }
```

Border

The CSS property to change the border of an element to Yxy 77.7527, 0.3329, 0.3611 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(231, 230, 200) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(231, 230, 200) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(231, 230, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 230, 200); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 230, 200); box-shadow:4px 4px 4px 4px rgb(231, 230, 200) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7527, 0.3329, 0.3611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 230, 200) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(231,  
230, 200) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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